

In the Abstract:

Please amend the Abstract as follows:

ABSTRACT

Wireless data communication method and apparatus using two electromagnetic signals having different polarizations. Codes related to relative values of the amplitudes of the two signals are generated in correspondence with data to be transmitted. The signals are modulated according to the codes using phase shift keying and amplitude shift keying. The amplitude shift keying modulates the two electromagnetic signals by changing the difference between their two amplitudes in accordance with data encodings. The two signals are transmitted to a receiver, which decodes the phases and relative amplitudes to obtain the codes, and reproduces the data from the obtained codes.